

## WHY CONTROL EROSION?

Rain drops break up soil aggregates when they strike bare soil.

This energy separates fine particles and organic matter from heavier soil particles destroying the soil structure. A hard crust often forms when the soil dries. This crust inhibits water infiltration and plant establishment, and increases runoff and future erosion



Eroded soil contains nitrogen, phosphorous, and other nutrients. When carried into water bodies, these nutrients trigger algal blooms that reduce water clarity, deplete oxygen, lead to fish kills, destroy spawning areas, and create odors.



## WHY CONTROL HYDROMODIFICATION?

Control of hydromodification prevents changes to the natural hydrologic processes and runoff characteristics, thereby preventing alteration of streams and rivers. Increased flows cause accelerated bed and/or bank erosion.

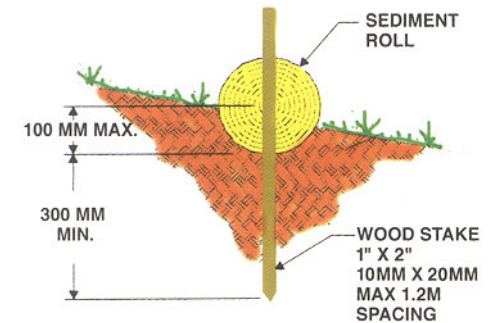


Infiltration of stormwater reduces pollutant discharges to surface water bodies and recharges groundwater.

STATE OF CALIFORNIA  
CALIFORNIA REGIONAL  
WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401



## EROSION AND SEDIMENT CONTROL & HYDROMODIFICATION MANAGEMENT/ LOW IMPACT DEVELOPMENT



ENTRENCHMENT DETAIL  
IN SLOPE AREA

**MONDAY, MARCH 23, 2009  
IN TEMPLETON, CA**

**OR**

**TUESDAY, MARCH 24, 2009  
IN SANTA BARBARA, CA**

**OR**

**WEDNESDAY, MARCH 25, 2009  
IN PACIFIC GROVE, CA**

SPONSORED BY:  
Central Coast Regional Water Quality Control Board

CO-SPONSORED BY:  
California Department of Transportation

# GENERAL INFORMATION

## Who Should Attend?

- State Enforcement Personnel
- Municipal Planning and Public Works Staff
- Construction and Development Sectors
- Grading and Storm Water Inspectors
- Environmental Contractors and Consultants

## Questions?

Concerning the workshop call or email  
Ed Othmer, PE, CPESC, CPSWQ  
(619) 294-9400  
Ed\_Othmer@urscorp.com

# AGENDA

<b>7:30 AM</b>	<b>Registration</b>
<b>8:15 AM</b>	<b>Welcome and Video</b> "Hold on to Your Dirt: Preventing Erosion from Construction Projects"
<b>8:45 AM</b>	<b>Regulations and Responsibilities</b> State and Federal Regulations (CWA, NPDES, SWPPP) Enforcement
<b>9:30 AM</b>	<b>Break</b>
<b>9:45 AM</b>	<b>Erosion and Sediment Control</b> Best Management Practices
<b>11:05 AM</b>	<b>Inspections and Monitoring</b>
<b>11:45 PM</b>	<b>Potential Permit Changes</b>
<b>12:15 PM</b>	<b>Lunch Break</b> Visit with Vendors and See New Technologies
<b>1:15 PM</b>	<b>What is Hydromodification Management?</b>
<b>1:25 PM</b>	<b>What is Low Impact Development (LID)?</b>
<b>1:45 PM</b>	<b>LID BMP Tools</b> Benefits and Incentives Site Planning Design, Construction, and Maintenance Implementation
<b>3:30 PM</b>	<b>Break</b>
<b>3:45 PM</b>	<b>Hands-On LID Design Exercise</b>
<b>4:45 PM</b>	<b>Questions and Certificates</b>
<b>5:00 PM</b>	<b>Adjourn</b>

# REGISTRATION

Register by March 16, 2009...there is no charge!!

**Mail or fax this completed  
registration form for each  
person attending to:**

URS Corporation  
Attn: Ed Othmer  
1615 Murray Canyon Road, Suite 1000  
San Diego, CA 92108  
Fax: (619) 293-7920

Name: \_\_\_\_\_  
Affiliation: \_\_\_\_\_  
Email address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_

Select Your Preferred Class:

- ☐ MONDAY, MARCH 23, 2009 – TEMPLETON, CA
- ☐ TUESDAY, MARCH 24, 2009 – SANTA BARBARA, CA
- ☐ WEDNESDAY, MARCH 25, 2009 – PACIFIC GROVE, CA

*Note: Workshop class size is limited to 75 people.  
Registration will be processed on a first come, first  
served basis.*

